

## Section 7. Terminal Radar Service Area (TRSA)- Terminal

### 7-7-1. APPLICATION

Apply TRSA procedures within the designated TRSA in addition to the basic services described in Chapter 7, Visual, Section 6, Basic Radar Service to VFR Aircraft- Terminal.

#### REFERENCE-

FAAO 7110.65, Visual Separation, Para 7-2-1.

### 7-7-2. ISSUANCE OF EFC

Inform the pilot when to expect further clearance when VFR aircraft are held either inside or outside the TRSA.

#### REFERENCE-

FAAO 7110.65, Visual Separation, Para 7-2-1.

### 7-7-3. SEPARATION

Separate VFR aircraft from VFR/IFR aircraft by any one of the following:

a. Visual separation, as specified in para 7-2-1, Visual Separation, para 7-4-2, Vectors for Visual Approach, and para 7-6-7, Sequencing.

#### NOTE-

Issue wake turbulence cautionary advisories in accordance with para 2-1-20, Wake Turbulence Cautionary Advisories.

b. 500 feet vertical separation.

c. Target resolution when using broadband radar systems. The application of target resolutions at locations not using broadband radar will be individually approved by the Program Director for Air Traffic Planning and Procedures, ATP-1.

#### NOTE-

Apply the provisions of para 5-5-4, Minima, subparagraphs d and e when wake turbulence separation is required.

#### REFERENCE-

FAAO 7110.65, Visual Separation, Para 7-2-1.

### 7-7-4. HELICOPTER TRAFFIC

Helicopters need not be separated from other helicopters. Traffic information shall be exchanged, as necessary.

#### REFERENCE-

FAAO 7110.65, Visual Separation, Para 7-2-1.

### 7-7-5. ALTITUDE ASSIGNMENTS

a. Altitude information contained in a clearance, instruction, or advisory to VFR aircraft shall meet MVA, MSA, or minimum IFR altitude criteria.

#### REFERENCE-

FAAO 7110.65, Flight Direction, Para 4-5-2.

FAAO 7110.65, Exceptions, Para 4-5-3.

FAAO 7110.65, Minimum En Route Altitudes, Para 4-5-6.

b. If required, issue altitude assignments, consistent with the provisions of 14 CFR Section 91.119.

#### NOTE-

The MSA's are:

(1) Over congested areas, an altitude at least 1,000 feet above the highest obstacle; and

(2) Over other than congested areas, an altitude at least 500 feet above the surface.

c. When necessary to assign an altitude for separation purposes to VFR aircraft contrary to 14 CFR Section 91.159, advise the aircraft to resume altitudes appropriate for the direction of flight when the altitude assignment is no longer needed for separation or when leaving the TRSA.

#### PHRASEOLOGY-

RESUME APPROPRIATE VFR ALTITUDES.

#### REFERENCE-

FAAO 7110.65, Practice Approaches, Para 4-8-11.

FAAO 7110.65, Application, Para 5-6-1.

FAAO 7110.65, Visual Separation, Para 7-2-1.

### 7-7-6. APPROACH INTERVAL

The tower shall specify the approach interval.

#### REFERENCE-

FAAO 7110.65, Visual Separation, Para 7-2-1.

### 7-7-7. TRSA DEPARTURE INFORMATION

a. At controlled airports within the TRSA, inform a departing aircraft proposing to operate within the TRSA when to contact departure control and the frequency to use. If the aircraft is properly equipped, ground control or clearance delivery shall issue the appropriate beacon code.

#### NOTE-

Departing aircraft are assumed to want TRSA service unless the pilot states, "negative TRSA service," or makes a similar comment. Pilots are expected to inform the controller of intended destination and/or route of flight and altitude.

b. Provide separation until the aircraft leaves the TRSA.

c. Inform VFR participating aircraft when leaving the TRSA.

**PHRASEOLOGY-**

*LEAVING THE (name) TRSA,*

*and as appropriate,*

*RESUME OWN NAVIGATION, REMAIN THIS  
FREQUENCY FOR TRAFFIC ADVISORIES, RADAR  
SERVICE TERMINATED, SQUAWK ONE TWO ZERO  
ZERO.*

d. Aircraft departing satellite controlled airports that will penetrate the TRSA should be provided the same service as those aircraft departing the primary airport. Procedures for handling this situation shall be covered in a letter of agreement or facility directives, as appropriate.

e. Procedures for handling aircraft departing uncontrolled satellite airports must be advertised in a facility bulletin and service provided accordingly.

**REFERENCE-**

*FAAO 7110.65, Visual Separation, Para 7-2-1.*